

IN THE CLAIMS

1. (Currently amended) A method of communicating with an electronic device, comprising:
providing a computer having an sound receiving and generating sub-system including a microphone;
providing a personal communicator which utilizes a communication network;
initiating a connection by said computer, over said communications network, to said personal communicator;
transmitting an audio response from the personal communicator to the sound receiving and generating sub-system, in response to the connection initiation; and
identifying said personal communicator responsive to thean transmitted audio response of said personal communicator ~~to said connection initiation.~~
2. (Original) A method according to claim 1, wherein initiating a connection comprises directly accessing said communication networks from said computer using dedicated hardware.
3. (Original) A method according to claim 2, wherein said hardware comprises a dialer card.
4. (Original) A method according to claim 1, wherein initiating a connection comprises accessing a non-computer data network other than said communication network directly from said computer using dedicated hardware and utilizing a link between said non-computer network and said communications network.
5. (Original) A method according to claim 1, wherein initiating a connection comprises requesting a second computer to create such a connection, which request is made over a computer network.
6. (Original) A method according to claim 1, wherein said initiation by said computer causes said personal communicator to generate a distinct audio response.
7. (Original) A method according to claim 6, comprising requesting, by said computer a distinctive audio response.

8. (Original) A method according to claim 1 and comprising transmitting data signals to said personal communicator to be acoustically sounded and received by said computer.
9. (Currently amended) A method of authentication, comprising:
 - providing a computer having an sound receiving and generating sub-system including a microphone;
 - providing a personal communicator which utilizes a communication network;
 - opening a connection, over said communications network, between said computer and said personal communicator; and
 - transmitting authentication signals over a closed loop between the computer and the personal communicator including both an audio transmission section in a first direction between the sound receiving and generating sub-system of the computer and the personal communicator and a section over the communications network in an opposite direction.
10. (Original) A method according to claim 9, wherein said computer initiates opening said connection.
11. (Original) A method according to claim 9, wherein said personal communicator initiates opening said connection.
12. (Original) A method according to claim 9, wherein said authentication signals comprise sound waves generated by said computer and transmitted by audio to said personal communicator.
13. (Original) A method according to claim 9, wherein said authentication signals comprise sound waves generated by a remote computer and transmitted by said communication network to said personal communicator.
14. (Original) A method according to claim 13, wherein said remote communicator initiates said connection.

15. (Previously Amended) A method according to claim 14, comprising, said remote computer causing said personal communicator to generate a sound and detecting said sound by said computer as an indication of a request for authentication.

16. (Original) A method according to claim 9, wherein said authentication signals comprise at least mostly sonic frequencies.

17. (Previously Amended) A method according to claim 16, wherein said signals are encoded using a DTMF-like encoding scheme.

18. (Original) A method according to claim 9, wherein said authentication signals comprise ultrasonic frequencies.

19. (Previously Amended) A method according to claim 1, wherein said personal communicator comprises a cellular telephone.

20. (Previously Amended) A method according to claim 1, wherein said personal communicator comprises a programmable cellular telephone.

21. (Previously Amended) A method according to claim 20, wherein said cellular telephone comprises a JAVA programmable cellular telephone.

22. (Previously Amended) A method according to claim 1, wherein said personal communicator comprises a beeper.

23. (Previously Amended) A method according to claim 1, wherein said personal communicator comprises a wireless telephone.